

SEQUENCE LISTING

(1) General information

(i) Applicant:

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- (A) Name: Pasteur Sanofi Diagnostics
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(ii) Title of invention: Nucleotide sequences for
the detection of enterohaemorrhagic *Escherichia coli*

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(iii) Number of sequences: 27

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(2) Information for sequence ID No. 1:

(i) Sequence characteristics:

- (A) Length: 1489 base pairs
- (B) Type: Nucleic acid
- (C) Strandedness: double
- (D) Topology: linear
- (E) Strand: sense

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(ii) Molecule type: DNA (genomic)

(iii) Sequence description: SEQ ID No. 1:

1	CTGGCAGTCCG	GAGATGAAAG	CACCACTGTG	TGTACCCCAT	CAGCGTGGTC
51	CCGCAGGCCA	TGATTTTTGT	CACAGACTCA	ATGACTACCG	GACGCACGTGA
101	ACCTTCCGGT	TGTTTCTCCA	GCCAGTTAAG	CCAGCGGTTT	CCCTGCTGAA
151	AAATGTGGC	AAAACGGGGA	AGCATCAGAA	GGGGGGGGGA	ACTCCGTCCG
201	GCCAGTGAAC	CGTGCCACAC	TCCGGGCAGT	ACATGCCGCC	GGCGCTGATA
251	CCGGCAAGAA	TGGTCGCAAA	CTCCCCCTCC	GTGCAGCGGG	CTATTCAGG

- 35 -

301	ATACCCTTCG	TCATCAACAC	GTACAAACCA	GAAGACCAGC	TTTTTGTTC
351	TGACATCCAC	AAAGAAGGGA	ATATTCAAGGT	CTGCGCAGCA	CTCAACGGCA
401	TCGTCAGTTG	CGGCTTGAA	CCCCTTAGTA	TTTTTGTCT	GTAGTATCTA
451	TCCCCAGCAAT	AGGTATATCC	TGTTGCATCA	ATAAAAGTTGA	CTTTTGTATA
501	CAACATGCGA	ATTTCCCTTA	ATCCGGAGCT	ATTCGTATGA	TAAAAAAAAC
551	TCTTCCTGTT	CTGATTCTTC	TGGCGCTATC	GGGGAGCTTT	TCTACCGCTG
601	TAGCCGCTGA	TAAAAAAAGAG	ACTCAAAATT	TCTACTATCC	AGAAACACTG
651	GATTTAACCTC	CTCTGAGATT	ACACAGCCCT	GAATCAAATC	CCTGGGGGSC
701	TGATTTGAT	TATGCCACCA	GATTCAACA	GCTGGATATG	GAGGCTCTGA
751	AAAAAGATAT	CAAAGATTG	CTGACAACTT	CCCAGGATTG	GTGCCCTGCG
801	GATTATGGTC	ATTATGGTCC	TTTCTTTATT	CGTATGGCTT	GGCACGGTGC
851	CGGAACATAC	AGGACATATG	ATGGCCGGGG	AGGCGCCAGT	GGTGGTCAGC
901	AACGTTTGA	ACCGCTGAAC	AGCTGGCCGG	ATAACGTTAA	TCTGGATAAA
951	GCCCCGTCGAT	TGCTGTGGCC	AGTCAAGAAA	AAATACGGCT	CCAGTATTTC
1001	CTGGGGAGAC	CTGATGGTCC	TGACTGGTAA	TGTTGCCCTT	GAATCCATGG
1051	GATTTAAAAC	GCTGGGATTG	GCTGGCGGAA	GAGAAGATGA	CTGGGAGTCC
1101	GACCTG3TAT	ACTGGGGGCC	TGACAAACAAG	CCTCTTGCAG	ATAACCAGGA
1151	AAAAAACGGG	AAACTTCAGA	AACCTCTTGC	CGCCACGCAG	ATGGGACTTA
1201	TTTATGTCAA	TCCTGAAGGC	CCCGGTGGAA	AACCAGATCC	TCTGGCTTCC
1251	GCGAAGATA	TCAGGGAAAGC	TTTTTCACGT	ATGCCATGG	ATGATGAGGA
1301	GACTGTGGCC	CTGATCGCGG	GAGGGCATAAC	ATTTGGTAAA	GCACATGGTG
1351	CAGCGTCTCC	TGAAAAAATGT	ATTGGCGCAG	GGCCTGATGG	TGCACCTGTG
1401	GAGGAGCAGG	GACTGGGATG	AAAAAATAAA	TGTGGTACAG	GAACACGGCA
1451	ATATACCATC	ACCAAGTGGCC	TGGAAAGGAGC	CTGGTCGAC	

(2) Information for sequence ID No. 2:

(i) Sequence characteristics:

- (A) Length: 1181 base pairs
- (B) Type: Nucleic acid
- (C) Strandedness: double
- (D) Topology: linear
- (E) Strand: sense

10 (ii) Molecule type: DNA (genomic)

(iii) Sequence description: SEQ ID No. 2:

1 CTGCAGGAGA TGAAAAAAA GCCAAAATAA AAAATTGCCC ATCCCAGCGC
 51 GCTCCAGCTG AAAGTAGGCC TGTTCTGTCC GGTATTTAAA TGCATTGACC
 101 GTCCCCGTAT TTAAACAATG TGATAAATTA CTCCGTTACC GGAAPACCAC
 151 TGAACAAAAT TCGGGCTGAA AAGAGGATCC GCCGTTATCT GTTGCATTTC
 201 CCCTTAGCCT GACTAGCCAG AGACACAATG ATCTGTGCCG TTCTGTTAAT
 251 ATCAAACCGG TACTCAATAT CTTCTCTGGC GCTGGCTGCC ATCATCCGGA
 301 AGCGTTCCGG TCGGGATAAA AAATCGCGCA GTGCGCCGGT CCATGCAGAC
 351 ACATCCCCA CGGGTAACAG CGTCCCTGTC ACATTCTTCT GAATGACATC
 401 AGGGATCCCG CCCGTCTCAC TGGCGATAAC GGGCACGCCG GAGACTGACG
 451 CTTCAGCCAG TACCATACCA AACGCTTCAT TTTCCGAAAGG CATGACCAC
 501 ACACTGGCAA TCCGGTAGAC CGGTAACGCT GGGAAAAGGG CACCTGCCAT
 551 ~~TCACATATCC CGGATGACCG GCAAGCTCCA CGGGTGGGG AAGGATGTC~~

 601 CCTTCCATCT TCAGCTGATA CAATACACGC AGCATAAATT CATGTCCTTT
 651 TTGGGACGT AGCATCCCCA CCTGAACGAT AAGCGGAACA TTGTCTGCTG
 701 ATGCAGCCA GGCAGTGGATA TGCAGGGGT ACGGTCGCAT GGCTTCATTA
 751 TGCAATGCGG GCCAGTCGAA ACCCGGTGGA ATAACCGTTA CCGGTGTCC
 801 GACACCTTCC GCCATCAGAT GCGCCATCAT GGGTGAGATA GGCACAAACAA
 851 TGAAATCACA CAGATAATTG AGGGAAAACG TTCTGGTCTT ACGGGTGATG
 901 TAGGTTTTT GTCTGACAAT AGTGAAGCGG TGACAGCATA TCAGACGGCT
 951 CAGTCCTGCT ATATTACTGT CATGGCCACT ATGGCAGATG ACCAGATCAG
 1001 GTTTAAATTC CCCGATAATC CGTCGAAGTC TGAGGATGGA AGGAAGGTGA
 1051 AGGCTGTTCC TGAAAGGAAT AAAAGTGACA TCATGCCCTC TTTTCTGGC
 1101 TTCCGGAGCA ATTTACTTT TTTCTCTGCA G
 1151

(2) Information for sequence ID No. 3:

(i) Sequence characteristics:

- (A) Length: 22 base pairs
- (B) Type: Nucleic acid
- (C) Strandedness: single
- (D) Topology: linear
- (E) Strand: sense

10 (ii) Molecule type: DNA (genomic)

(iii) Sequence description: SEQ ID No. 3:
 CGGAGATGAAAGCACCACGTG

(2) Information for sequence ID No. 4:

(i) Sequence characteristics:

- (A) Length: 22 base pairs
- (B) Type: Nucleic acid
- 5 (C) Strandedness: single
- (D) Topology: linear
- (E) Strand: antisense

(ii) Molecule type: DNA (genomic)

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(iii) Sequence description: SEQ ID No. 4:

GGGCTGTGTAATCTCAGAGGAG

(2) Information for sequence ID No. 5:

(i) Sequence characteristics:

- 15 (A) Length: 25 base pairs
- (B) Type: Nucleic acid
- (C) Strandedness: single
- (D) Topology: linear
- (E) Strand: sense

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(ii) Molecule type: DNA (genomic)

(iii) Sequence description: SEQ ID No. 5:

GTCCGGAGATGAAAGCACCACTGTG

25 (2) Information for sequence ID No. 6:

(i) Sequence characteristics:

- (A) Length: 25 base pairs
- (B) Type: Nucleic acid
- (C) Strandedness: single
- 30 (D) Topology: linear
- (E) Strand: antisense

(ii) Molecule type: DNA (genomic)

35 (iii) Sequence description: SEQ ID No. 6:

TCAGGGCTGTGTAATCTCAGAGGAG

(2) Information for sequence ID No. 7:

(i) Sequence characteristics:

(A) Length: 23 base pairs
(B) Type: Nucleic acid
(C) Strandedness: single
(D) Topology: linear
5 (E) Strand: sense

(ii) Molecule type: DNA (genomic)

(iii) Sequence description: SEQ ID No. 7:

10 GGCGCTGATACCGGCAAGAATGG

(2) Information for sequence ID No. 8:

(i) Sequence characteristics:

(A) Length: 23 base pairs
(B) Type: Nucleic acid
15 (C) Strandedness: single
(D) Topology: linear
(E) Strand: sense

(ii) Molecule type: DNA (genomic)

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(iii) Sequence description: SEQ ID No. 8:

GGTCCCGCAGGCCATGATTTTG

(2) Information for sequence ID No. 9:

(i) Sequence characteristics:

25 (A) Length: 24 base pairs
(B) Type: Nucleic acid
(C) Strandedness: single
(D) Topology: linear
(E) Strand: sense

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(ii) Molecule type: DNA (genomic)

(iii) Sequence description: SEQ ID No. 9:

CCGGCAAGAATGGTCGCAAATCC

35 (2) Information for sequence ID No. 10:

(i) Sequence characteristics:

(A) Length: 26 base pairs
(B) Type: Nucleic acid

- (C) Strandedness: single
- (D) Topology: linear
- (E) Strand: antisense

5 (ii) Molecule type: DNA (genomic)

(iii) Sequence description: SEQ ID No. 10:

AAGGGGTTCCAAGCCGCAACTGACGA

(2) Information for sequence ID No. 11:

10 (i) Sequence characteristics:

- (A) Length: 26 base pairs
- (B) Type: Nucleic acid
- (C) Strandedness: single
- (D) Topology: linear
- (E) Strand: antisense

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(ii) Molecule type: DNA (genomic)

(iii) Sequence description: SEQ ID No. 11:

20 TAAGGGGTTCCAAGCCGCAACTGACG

(2) Information for sequence ID No. 12:

(i) Sequence characteristics:

- (A) Length: 31 base pairs
- (B) Type: Nucleic acid
- (C) Strandedness: single
- (D) Topology: linear
- (E) Strand: sense

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(ii) Molecule type: DNA (genomic)

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(iii) Sequence description: SEQ ID No. 12:

CTCAACGGCATCGTCAGTTGCGGGCTTGGAAC

(2) Information for sequence ID No. 13:

(i) Sequence characteristics:

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- (A) Length: 31 base pairs
- (B) Type: Nucleic acid
- (C) Strandedness: single
- (D) Topology: linear

(E) Strand: sense

(ii) Molecule type: DNA (genomic)

5 (iii) Sequence description: SEQ ID No. 13:

AGCACTAACGGCATCGTCAGTTGCGGCTTG

(2) Information for sequence ID No. 14:

(i) Sequence characteristics:

(A) Length: 31 base pairs

10 (B) Type: Nucleic acid

(C) Strandedness: single

(D) Topology: linear

(E) Strand: sense

15 (ii) Molecule type: DNA (genomic)

(iii) Sequence description: SEQ ID No. 14:

CTATTTAGGATAACCCTTCGTCAACACG

(2) Information for sequence ID No. 15:

20 (i) Sequence characteristics:

(A) Length: 31 base pairs

(B) Type: Nucleic acid

(C) Strandedness: single

(D) Topology: linear

25 (E) Strand: sense

(ii) Molecule type: DNA (genomic)

(iii) Sequence description: SEQ ID No. 15:

30 AATTTCCCTTAATCCGGAGCTATTGTATGA

(2) Information for sequence ID No. 16:

(i) Sequence characteristics:

(A) Length: 20 base pairs

(B) Type: Nucleic acid

35 (C) Strandedness: single

(D) Topology: linear

(E) Strand: sense

(ii) Molecule type: DNA (genomic)

(iii) Sequence description: SEQ ID No. 16:

GAAAGACCAGCTTTTGTTC

5 (2) Information for sequence ID No. 17:

(i) Sequence characteristics:

- (A) Length: 20 base pairs
- (B) Type: Nucleic acid
- (C) Strandedness: single
- 10 (D) Topology: linear
- (E) Strand: sense

(ii) Molecule type: DNA (genomic)

15 (iii) Sequence description: SEQ ID No. 17:

TGTCACAGACTCAAATGACTA

(2) Information for sequence ID No. 18:

(i) Sequence characteristics:

- (A) Length: 14 base pairs
- 20 (B) Type: Nucleic acid
- (C) Strandedness: single
- (D) Topology: linear
- (E) Strand: sense

25 (ii) Molecule type: DNA (genomic)

(iii) Sequence description: SEQ ID No. 18:

GGCATCGTCAGTTG

(2) Information for sequence ID No. 19:

30 (i) Sequence characteristics:

- (A) Length: 16 base pairs
- (B) Type: Nucleic acid
- (C) Strandedness: single
- (D) Topology: linear
- 35 (E) Strand: sense

(ii) Molecule type: DNA (genomic)

(iii) Sequence description: SEQ ID No. 19:

CGGCATCGTCAGTTGC

(2) Information for sequence ID No. 20:

(i) Sequence characteristics:

5 (A) Length: 18 base pairs
(B) Type: Nucleic acid
(C) Strandedness: single
(D) Topology: linear
(E) Strand: sense

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(ii) Molecule type: DNA (genomic)

(iii) Sequence description: SEQ ID No. 20:

ACGGCATCGTCAGTTGCG

15 (2) Information for sequence ID No. 21:

(i) Sequence characteristics:

20 (A) Length: 22 base pairs
(B) Type: Nucleic acid
(C) Strandedness: single
(D) Topology: linear
(E) Strand: sense

(ii) Molecule type: DNA (genomic)

25 (iii) Sequence description: SEQ ID No. 21:

CCACCTGAACGATAAGCGGAAC

(2) Information for sequence ID No. 22:

(i) Sequence characteristics:

30 (A) Length: 22 base pairs
(B) Type: Nucleic acid
(C) Strandedness: single
(D) Topology: linear
(E) Strand: antisense

35 (ii) Molecule type: DNA (genomic)

(iii) Sequence description: SEQ ID No. 22:

CACCTTCCTTCCATCCTCAGAC

(2) Information for sequence ID No. 23:

(i) Sequence characteristics:

- (A) Length: 20 base pairs
- (B) Type: Nucleic acid
- 5 (C) Strandedness: single
- (D) Topology: linear
- (E) Strand: sense

(ii) Molecule type: DNA (genomic)

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(iii) Sequence description: SEQ ID No. 23:

ATGCCAGCGCGCTCCAGCTG

(2) Information for sequence ID No. 24:

(i) Sequence characteristics:

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- (A) Length: 22 base pairs
- (B) Type: Nucleic acid
- (C) Strandedness: single
- (D) Topology: linear
- (E) Strand: antisense

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(ii) Molecule type: DNA (genomic)

(iii) Sequence description: SEQ ID No. 24:

ACCCATGATGGCGCATCTGATG

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(2) Information for sequence ID No. 25:

(i) Sequence characteristics:

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- (A) Length: 31 base pairs
- (B) Type: Nucleic acid
- (C) Strandedness: single
- (D) Topology: linear
- (E) Strand: sense

(ii) Molecule type: DNA (genomic)

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(iii) Sequence description: SEQ ID No. 25:

ACGTTCTGGTCTTACGGGTGATGTAGGTTT

(2) Information for sequence ID No. 26:

(i) Sequence characteristics:

- (A) Length: 31 base pairs
- (B) Type: Nucleic acid
- (C) Strandedness: single
- (D) Topology: linear
- 5 (E) Strand: sense

(ii) Molecule type: DNA (genomic)

(iii) Sequence description: SEQ ID No. 26:

10 TAGTGAAGCGGTGACAGCATATCAGACGGCT

(2) Information for sequence ID No. 27:

(i) Sequence characteristics:

- (A) Length: 21 base pairs
- (B) Type: Nucleic acid
- 15 (C) Strandedness: single
- (D) Topology: linear
- (E) Strand: sense

(ii) Molecule type: DNA (genomic)

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(iii) Sequence description: SEQ ID No. 27:

GTGAGATAGGCACAAACATGA

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